HC144 45-55Hz 230V

HC144 45-55Hz 230V, Frequencymeter

Code: M12741.

> Scale: 90°
> Accuracy: 0,5
> Measure: 45...55 Hz
> Frequency (Hz): 45...55
> Modules: 144x144

Description

○ Does not need an auxiliary power supply
○ DIN box with dimensions: 48, 72, 96 and 144
○ Class 0.5
○ Built-in electronic converter

Application

Accurate and easy reading of frequency in alternating current circuits. The distortion of voltage (we shall measure its frequency) can reach 15% of the nominal voltage in the third order harmonic, while the Class is not affected.

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Specifications

Mechanical characteristics

Size (mm) width x height x depth	144 x 144 x 71.8 (mm)
Fastening	Panel
Weight (kg)	0,425

Environmental characteristics

Protection class	Panel: IP 52 (Front), IP 00 (Terminals)
Storage temperature	-25...+40 °C
Working temperature	+10 ... +30 °C

Standards

Certifications	CE
Electrical safety, Maximum height (m)	2000
Standards	BS 89, UNE-EN 60051, IEC 144, DIN 43780, IEC 51, UNE 21318

Current measurement circuit

Allowable overload	1,5 In permanent / 15 In during 1s

Voltage measurement circuit

Consumption	2 ... 3 VA
Sampling frequency	50 ... 400 Hz
Nominal voltage	230 V ~

Electrical characteristics

Insulation voltage, circuit	2kV a 50 Hz < 1min entre mecanismo y caja

Measurement accuracy

Accuracy	0,5 % FE

HC
Pointer type frequencymeters, 90°

CODE	TYPE	Scale	Accuracy	Modules	Measure	Frequency (Hz)
HC72						
M12721.	HC72 45-55Hz 230V	90°	0,5	72x72	45...55 Hz	45...55
HC96						
M12731.	HC96 45-55Hz 230V	90°	0,5	96x96	45...55 Hz	45...55
HC144						

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M12741.	HC144 45-55Hz 230V	90°	0,5	144x144	45...55 Hz	45...55

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Dimensions

	a	b	c	d	e
48	48	44,7	61	5,2	45 +0,8
72	72	67,2	43,5	5,7	68 +0,8
96	96	91	43,5	5,7	92 +0,8
144	144	137	64,5	7,3	138 +1